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UTILITY PATENT APPLICATION TRANSMITTAL

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No. 23696
Attorney Docket No.: 020131
Date: August 1, 2003
Express Mail Label No.: EV 328 151 777 US

22212 U.S. PTO
10/632421
08/01/03

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Andrew Sendonaris
For: COMPENSATING FOR FREQUENCY SHIFT AND TIMING SHIFT IN FREQUENCY AND TIME
TRACKING LOOPS BASED ON MOBILE UNIT VELOCITY.

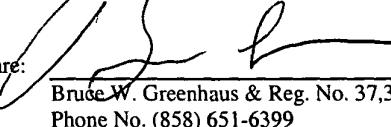
Enclosed are:

1. Patent application (25) total pages.
2. Drawings: Formal (7) sheet(s) or Informal () sheet(s).
3. Declaration/Power of Attorney: Signed Unsigned
4. This application claims priority from Application Serial No. 60/408,608, Filed September 5, 2002, Status Pending and Application Serial No. 60/435,005, Filed December 20, 2002, Status Pending.
5. An Assignment () pages and Recordation Form Cover Sheet.
6. A Preliminary Amendment () pages.
7. Information Disclosure Statement (IDS):
 - a. PTO-1449
 - b. Copies of IDS Citations (number of citations:)
8. Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	47 - 20	27	x \$18 =	\$486.00
Independent**	4 - 3	1	x \$84 =	\$84.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
APPLICATION FILING FEE			\$750	\$750.00
			TOTAL FEE	\$1320.00

*If the number in column a is less than 20, enter 0 in column b.
**If the number in column b is less than 3, enter 0 in column b.

9. A check in the amount of \$____ is enclosed to pay the filing fee.
10. Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1320.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
11. The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: August 1, 2003Signature: Bruce W. Greenhaus & Reg. No. 37,339
Phone No. (858) 651-6399CORRESPONDENCE ADDRESS

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